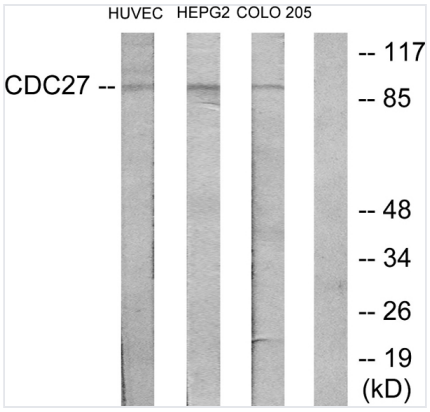
H-NUC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	H-NUC, Polyclonal Antibody
Full Product Name	H-NUC Antibody
Product Gene Name	anti-H-NUC antibody
Product Synonym Gene Name	CDC27
Product Synonym Names	CDC27Hs; Cell division cycle protein 27 homolog; H-NUC
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	H-NUC Antibody detects endogenous levels of total H-NUC protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	91 kDa
OMIM	U00001 mRNA
3D Structure	ModBase 3D Structure for P30260
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human H-NUC.
Immunogen Range	361-410
Applications Tested/Suitable for anti-H-NUC antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-H-NUC antibody	WB: 1:500~1:1000 ELISA: 1:5000
Related Product Information for anti-H-NUC antibody	MBS9505673 is an antibody targeting H-NUC. Also known as H-NUC Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-H-NUC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-H-NUC antibody
Western blot analysis of lysates from HUVEC, HepG2, and COLO205 cells, using H-NUC Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H-NUC. It may not necessarily be applicable to this product.

NCBI GI #	167466177
NCBI GeneID	996
NCBI Accession #	NP_001107563.1
UniProt Primary Accession #	P30260
UniProt Secondary Accession #	Q16349; Q96F35; G3V1C4
UniProt Related Accession #	P30260
GenBank Nucleotide #	NM_001114091.3
NCBI Official Full Name	cell division cycle protein 27 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 27
NCBI Official Symbol	CDC27
NCBI Official Synonym Symbols	APC3; HNUC; NUC2; H-NUC; ANAPC3; CDC27Hs; D0S1430E; D17S978E
UniProt Protein Name	Cell division cycle protein 27 homolog
UniProt Synonym Protein Names	Anaphase-promoting complex subunit 3; APC3; CDC27 homolog; CDC27Hs; H-NUC
Protein Family	Histone-lysine N-methyltransferase
UniProt Gene Name	CDC27
UniProt Synonym Gene Names	ANAPC3; D0S1430E; D17S978E; APC3; CDC27Hs
NCBI Protein Information	cell division cycle protein 27 homolog
NCBI Summary for H-NUC	The protein encoded by this gene shares strong similarity with Saccharomyces cerevisiae protein Cdc27, and the gene product of Schizosaccharomyces pombe nuc 2. This protein is a component of the anaphase-promoting complex (APC), which is composed of eight protein subunits and is highly conserved in eukaryotic cells. This complex catalyzes the formation of cyclin B-ubiquitin conjugate, which is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. The protein encoded by this gene and three other members of the APC complex contain tetratricopeptide (TPR) repeats, which are important for protein-protein interactions. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p55CDC and BUBR1, and it may thus be involved in controlling the timing of mitosis. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 2, 22 and Y. [provided by RefSeq, May 2014]

UniProt Comments for H-NUC	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.
Research Articles on H-NUC	**1.** The levels of CDC20 and CylinB1 increased and the levels of Ku70 and APC3 decreased after irradiation. APC/C(Cdh1) is involved in regulation of radiosensitivity in human NPC CNE-1 cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/h-nuc/9505673